

$$m = \frac{y_2 - y_1}{x_2 - x_1}$$

IF YOU HAVE A GRID

$$m = \frac{\text{RISE}}{\text{RUN}}$$

LINE TILTED TO THE RIGHT POSITIVE  
SCOPE

LINE TILTED TO THE LEFT-  
NEGATIVE SCOPE

# 1-4

# 5-12 }  $\frac{\text{rise}}{\text{run}}$   
# 13-16 }

# 17-28  $m = \frac{y_2 - y_1}{x_2 - x_1}$

# 17 A (3, 9)  
 $x_1, y_1$

B (1, 5)  
 $x_2, y_2$

$m = 0$  LINE  
IS PARALLEL  
TO AXIS X

$$m = \frac{5-9}{1-3} = \frac{-4}{-2} = 2$$

